

**What is claimed is:**

1. A method for reducing the residual image effect of a liquid crystal display after turned off, comprising the steps of:

5       transmitting an image signal to the liquid crystal display by means of a timing controller after turning off a backlight of the liquid crystal display;

      transmitting a control signal to the liquid crystal display by means of the timing controller after turning off an image data transmission; and

      turning on a plurality of thin film transistors on the liquid crystal display.

10

2. The method of claim 1, further comprising the step of:

      turning off a power to the liquid crystal display.

15       3. The method of claim 1, wherein the step of transmitting an image signal is performed before turning off the image data transmission.

4. The method of claim 1, wherein the step of transmitting a control signal is performed before turning off the power to the liquid crystal display.

20       5. The method of claim 1, wherein the image signal comprises a white image signal.

6. The method of claim 1, wherein the image signal comprises a black image signal.

25

7. The method of claim 1, wherein the liquid crystal display further comprises a source driver and a gate driver.

8. The method of claim 7, wherein the gate driver is used to turn on the thin film  
5 transistors.

9. A method for reducing residual image effect applied to a liquid crystal display, comprising the steps of:

turning off a backlight of the liquid crystal display;

10 transmitting an image signal to the liquid crystal display by means of a timing controller;

turning off an image data transmission;

transmitting a control signal to the liquid crystal display by means of the timing controller;

15 turning on a plurality of thin film transistors on the liquid crystal display; and turning off a power to the liquid crystal display.

10. The method of claim 9, wherein the image signal comprises a white image signal.

20

11. The method of claim 9, wherein the image signal comprises a black image signal.

25 12. The method of claim 9, wherein the liquid crystal display further comprises a source driver and a gate driver.

13. The method of claim 12, wherein the gate driver is used to turn on the thin film transistors on the liquid crystal display.

5        14. A system for reducing the residual image effect of a liquid crystal display after turned off, comprising:

      a timing controller for transmitting an image signal and a control signal;

      a source driver electrically coupled with the timing controller, wherein the source driver further has a plurality of source lines;

10        a gate driver electrically coupled with the timing controller; and

      a plurality of thin film transistors electrically coupled to the source driver and the gate driver,

      wherein the timing controller transmits the image signal to the source driver in a first period causing a voltage of the thin film transistors to be substantially close to a voltage of a common voltage generator, and the timing controller transmits the control signal to the gate driver in a second period enabling a plurality of charges in the thin film transistors to discharge via the source lines.

15        15. The system of claim 14, wherein the first period begins when a backlight of the liquid crystal display is turned off and ends when an image data transmission is turned off.

20        16. The system of claim 14, wherein the second period begins when an image data transmission is turned off and ends when a power of the liquid crystal display is turned off.

17. The system of claim 14, wherein the image signal comprises a black image signal.

5        18. The system of claim 14, wherein the image signal comprises a white image signal.